LAND OF PLENTY

A STORY OF FREEDOM AND POWER

THE TWO POWERFUL FORCES THAT HAVE GIVEN SHAPE AND FORM TO AMERICA'S GREATNESS WERE BORN ALMOST TWO CENTURIES AGO... BUT THE "CHAIN REACTION" THEY SET OFF IS BUILDING A BETTER WORLD TODAY... AND PROMISES AN EVEN GREATER FUTURE FOR US ALL!

ADVENTURES IN SCIENCE SERIES

GENERAL ELECTRIC

"UNDER THE COVER OF APPROACHING NIGHT, TWO SILENT FIGURES CROUCH CLOSE TO THE GROUND AT THE VERY EDGE OF THE 'IRON CURTAIN'..."

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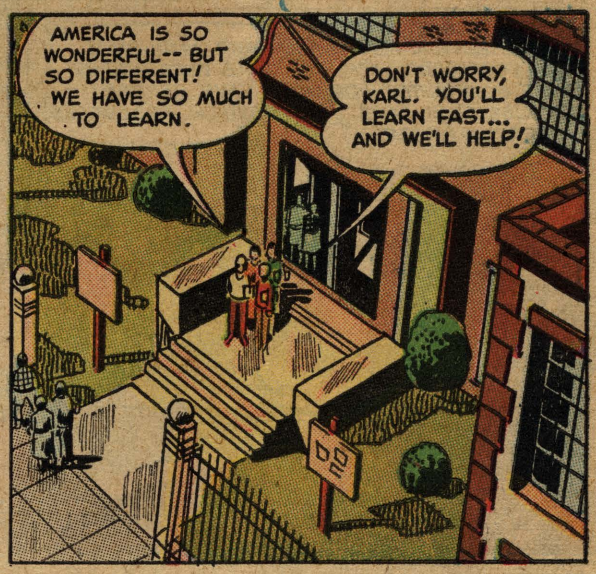
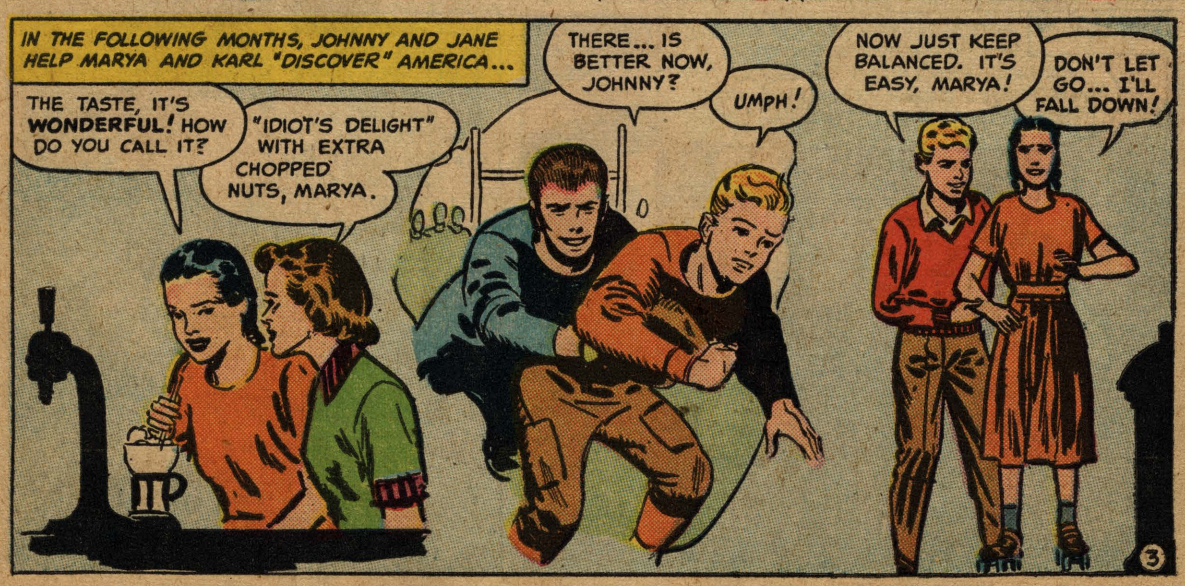
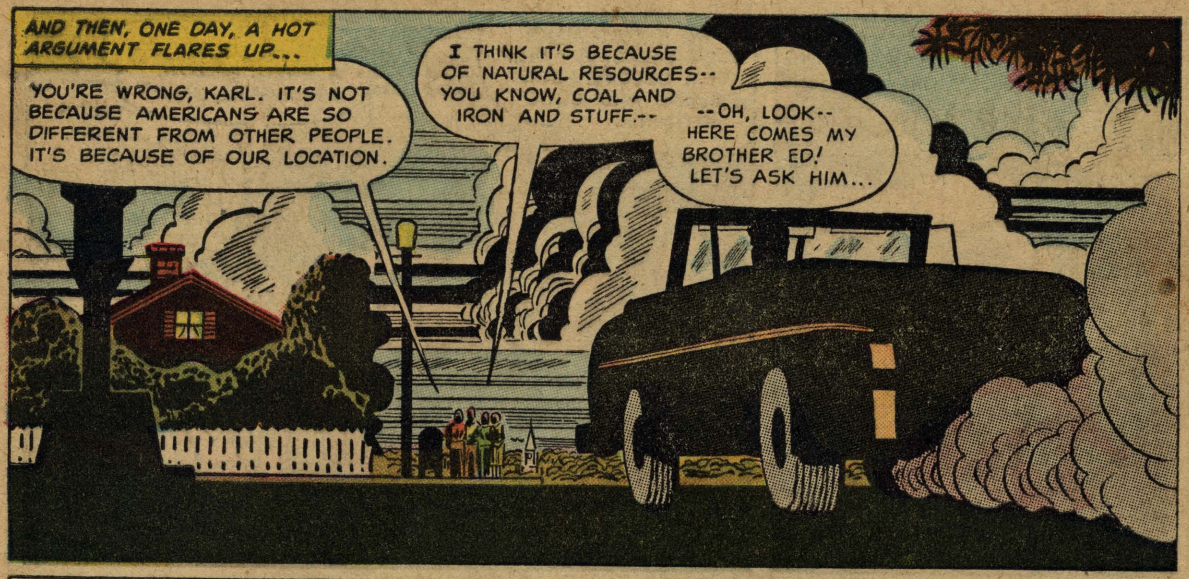
...AND SO THESE TWO YOUNG PEOPLE, KARL AND MARYA, RISKED EVERYTHING --EVEN THEIR LIVES-- TO COME TO AMERICA. THAT'S WHY--

--WE SHOULD MAKE THEM WELCOME-- HELP THEM BECOME GOOD FRIENDS AND GOOD CITIZENS.
HEY, HE LOOKS LIKE A SWELL FELLOW, DOESN'T HE, JANE?
THAT HE DOES, JOHNNY. AND SHE SEEMS AWFULLY NICE, TOO. LET'S TALK TO THEM AFTER CLASS.

LATER...
I'M JANE JACKSON, AND THIS IS JOHNNY POWERS.
HELLO, MARYA... KARL. I HOPE WE'LL BE GOOD FRIENDS.
ALSO, I-- I WISH THE SAME.


AMERICA IS SO WONDERFUL-- BUT SO DIFFERENT! WE HAVE SO MUCH TO LEARN.
DON'T WORRY, KARL. YOU'LL LEARN FAST... AND WE'LL HELP!


IN THE FOLLOWING MONTHS, JOHNNY AND JANE HELP MARYA AND KARL "DISCOVER" AMERICA...
THE TASTE, IT'S WONDERFUL! HOW DO YOU CALL IT?
"IDIOT'S DELIGHT" WITH EXTRA CHOPPED NUTS, MARYA.
THERE... IS BETTER NOW, JOHNNY?
UMPH!
NOW JUST KEEP BALANCED. IT'S EASY, MARYA!
DON'T LET GO... I'LL FALL DOWN!


AND THEN, ONE DAY, A HOT ARGUMENT FLARES UP...
YOU'RE WRONG, KARL. IT'S NOT BECAUSE AMERICANS ARE SO DIFFERENT FROM OTHER PEOPLE. IT'S BECAUSE OF OUR LOCATION.
I THINK IT'S BECAUSE OF NATURAL RESOURCES-- YOU KNOW, COAL AND IRON AND STUFF.--
--OH, LOOK-- HERE COMES MY BROTHER ED! LET'S ASK HIM...

ED... KARL WAS SAYING WE LIVE BETTER HERE THAN PEOPLE DO ANY PLACE ELSE IN THE WORLD-- BECAUSE AMERICANS ARE SMARTER...
AND JANE SAYS IT'S BECAUSE WE HAVE BETTER NATURAL RESOURCES.

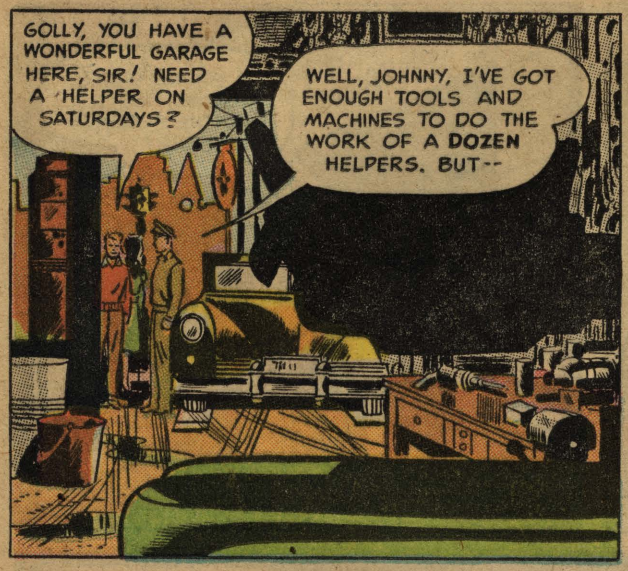
AND JOHNNY THINKS--
WAIT A MINUTE... MAYBE WE'D BETTER TALK THIS OUT A BIT. CLIMB IN AND, I'LL PICK UP THE CHECK AT THE SUGAR BOWL.

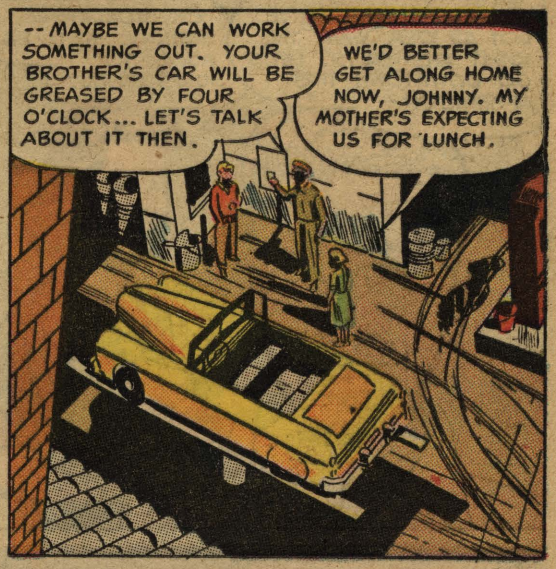
AND SOON...
ACTUALLY, YOU'RE ALL WRONG. IT ISN'T SMARTNESS OR NATURAL RESOURCES OR GOOD LOCATION. OTHER COUNTRIES HAVE THOSE THINGS, TOO. THE FACT IS...

WHAT REALLY MAKES AMERICA SUCH A WONDERFUL PLACE TO LIVE IN IS ALL AROUND US... EVERYDAY IN ALMOST EVERYTHING WE SEE AND DO! I'LL TELL YOU WHAT...

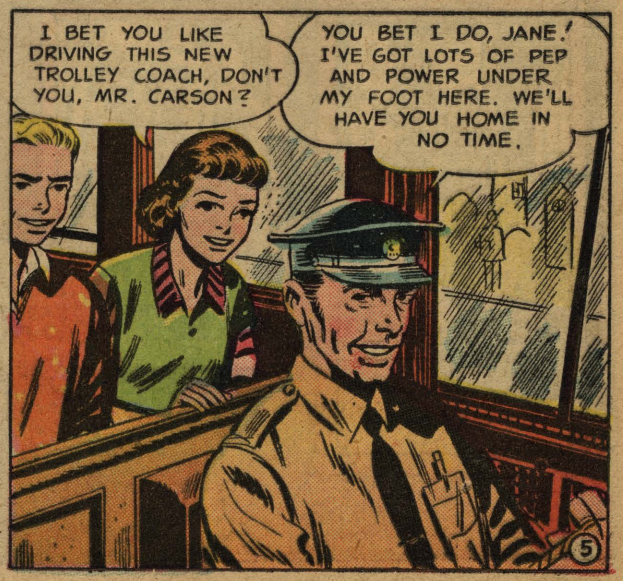
KEEP YOUR EYES AND EARS OPEN THE NEXT FEW DAYS... SEE IF YOU CAN FIND THE ANSWER YOURSELVES.
R BOWL
OPPE
SUGAR BO
CANDY SHOP
FILM CANDI

GOLLY, I DON'T EVEN KNOW WHERE TO START!
IF THE ANSWER'S ALL AROUND US EVERY DAY, WE OUGHT TO BE ABLE TO FIGURE IT OUT!
WE'LL HAVE A BETTER CHANCE IF WE SEPARATE INTO TEAMS... YOU AND KARL, MARYA--
AND SO THE SEARCH BEGINS. PERHAPS YOU CAN FIND THE ANSWER BEFORE THEY CAN... JUST BY SEEING WHAT THEY SEE...

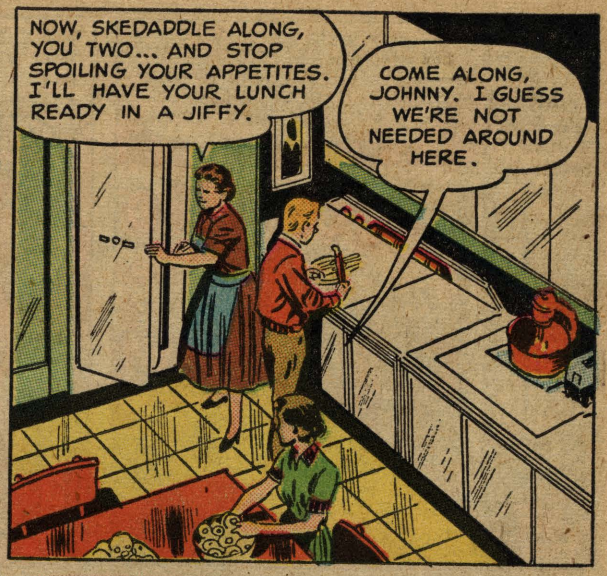

GOLLY, YOU HAVE A WONDERFUL GARAGE HERE, SIR! NEED A HELPER ON SATURDAYS?
WELL, JOHNNY, I'VE GOT ENOUGH TOOLS AND MACHINES TO DO THE WORK OF A DOZEN HELPERS. BUT--

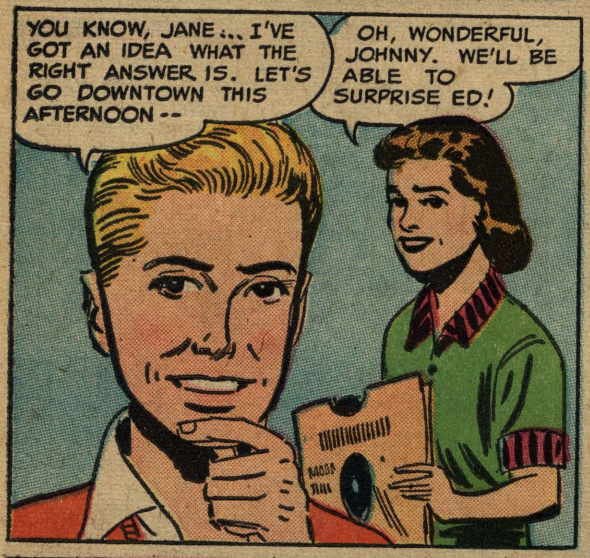

--MAYBE WE CAN WORK SOMETHING OUT. YOUR BROTHER'S CAR WILL BE GREASED BY FOUR O'CLOCK... LET'S TALK ABOUT IT THEN.
WE'D BETTER GET ALONG HOME NOW, JOHNNY. MY MOTHER'S EXPECTING US FOR LUNCH.

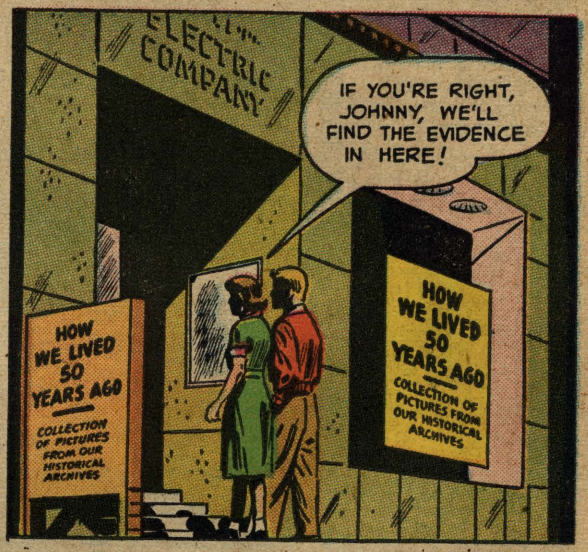
WE'LL MAKE IT IN PLENTY OF TIME, JANE. HERE COMES OUR RIDE NOW.


I BET YOU LIKE DRIVING THIS NEW TROLLEY COACH, DON'T YOU, MR. CARSON?
YOU BET I DO, JANE! I'VE GOT LOTS OF PEP AND POWER UNDER MY FOOT HERE. WE'LL HAVE YOU HOME IN NO TIME.

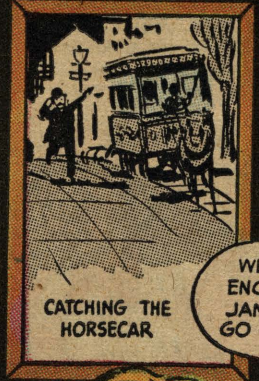
HERE WE ARE, MOTHER. NEED ANY HELP?
NO, THANK YOU, JANE. THIS IS SO EASY... I'LL BE FINISHED IN JUST A MOMENT.


NOW, SKEDADDLE ALONG, YOU TWO... AND STOP SPOILING YOUR APPETITES. I'LL HAVE YOUR LUNCH READY IN A JIFFY.
COME ALONG, JOHNNY. I GUESS WE'RE NOT NEEDED AROUND HERE.


YOU KNOW, JANE... I'VE GOT AN IDEA WHAT THE RIGHT ANSWER IS. LET'S GO DOWNTOWN THIS AFTERNOON --
OH, WONDERFUL, JOHNNY. WE'LL BE ABLE TO SURPRISE ED!


ELECTRIC COMPANY
IF YOU'RE RIGHT, JOHNNY, WE'LL FIND THE EVIDENCE IN HERE!
HOW WE LIVED 50 YEARS AGO
COLLECTION OF PICTURES FROM OUR HISTORICAL ARCHIVES
HOW WE LIVED 50 YEARS AGO
COLLECTION OF PICTURES FROM OUR HISTORICAL ARCHIVES

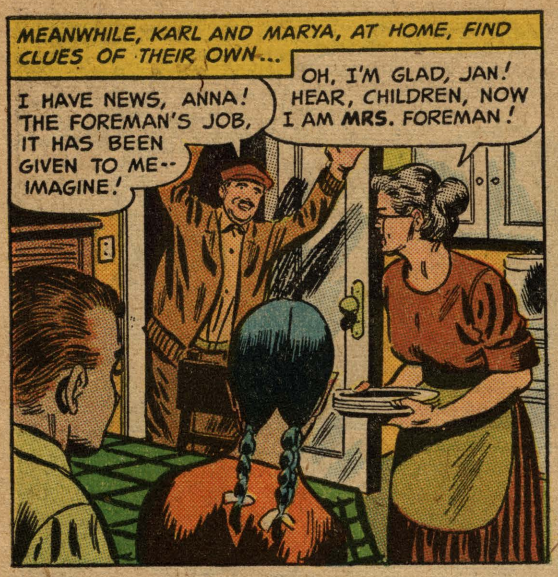
THE DAILY CHORES

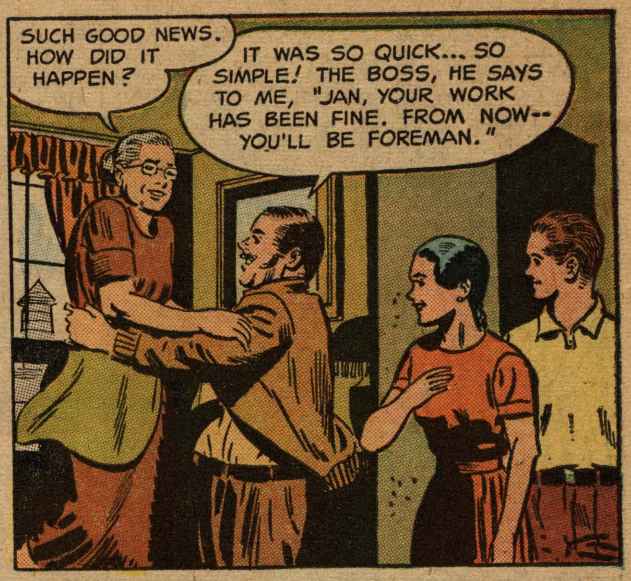

CATCHING THE HORSECAR

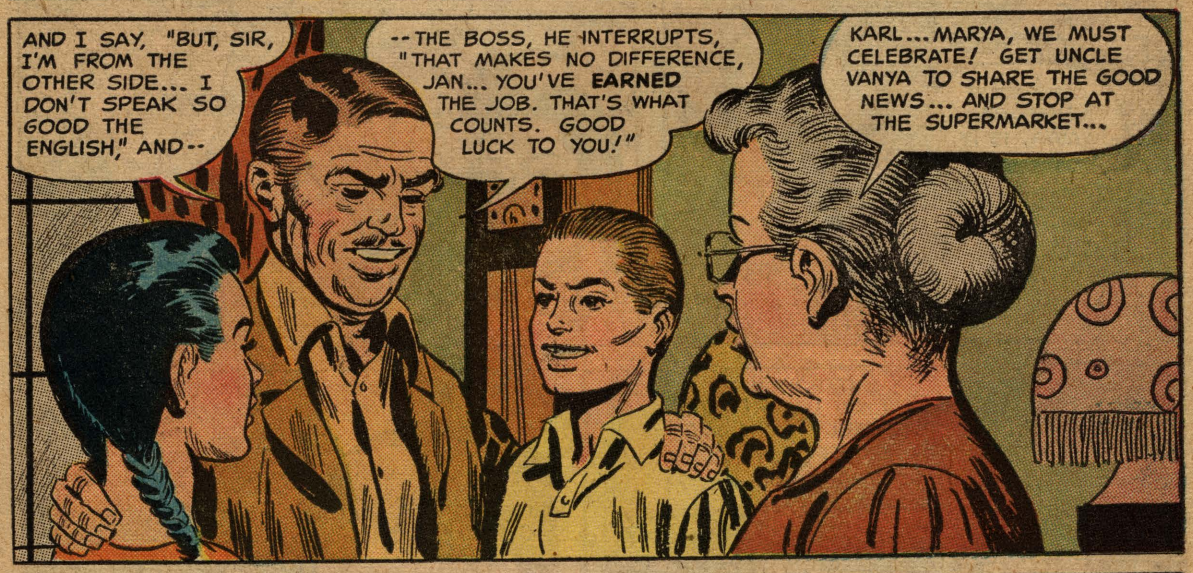
FILLING THE ICE HOUSE

KELLY'S REPAIR SHOP

WE'VE GOT ENOUGH CLUES, JANE! LET'S GO FIND ED!


MEANWHILE, KARL AND MARYA, AT HOME, FIND CLUES OF THEIR OWN...
I HAVE NEWS, ANNA! THE FOREMAN'S JOB, IT HAS BEEN GIVEN TO ME-- IMAGINE!
OH, I'M GLAD, JAN! HEAR, CHILDREN, NOW I AM MRS. FOREMAN!

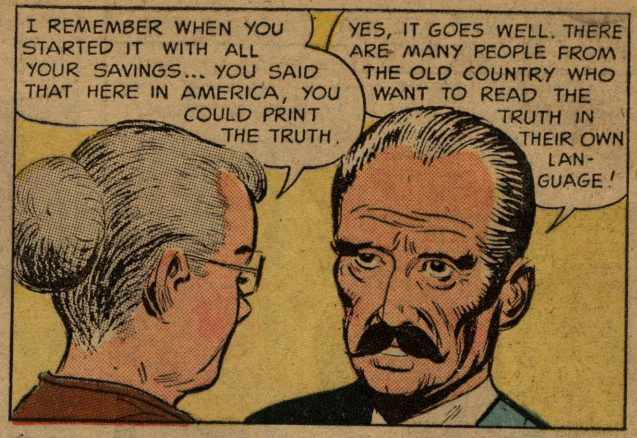

SUCH GOOD NEWS. HOW DID IT HAPPEN?
IT WAS SO QUICK... SO SIMPLE! THE BOSS, HE SAYS TO ME, "JAN, YOUR WORK HAS BEEN FINE. FROM NOW-- YOU'LL BE FOREMAN."


AND I SAY, "BUT, SIR, I'M FROM THE OTHER SIDE... I DON'T SPEAK SO GOOD THE ENGLISH," AND--
--THE BOSS, HE INTERRUPTS, "THAT MAKES NO DIFFERENCE, JAN... YOU'VE EARNED THE JOB. THAT'S WHAT COUNTS. GOOD LUCK TO YOU!"
KARL... MARYA, WE MUST CELEBRATE! GET UNCLE VANYA TO SHARE THE GOOD NEWS... AND STOP AT THE SUPERMARKET...

LET'S GO, SLOWPOKE. CAN'T YOU MAKE UP YOUR MIND?
THERE ARE SO MANY KINDS TO CHOOSE FROM, KARL! EACH A LITTLE DIFFERENT IN SIZE OR FLAVOR OR PRICE.

YOU CAN BUY EXACTLY THE KIND YOU WANT... AS THOUGH IT WAS MADE ESPECIALLY FOR YOU. WHY, I FEEL LIKE A QUEEN!
ALL RIGHT, YOUR HIGHNESS, I'M ONLY YOUR SERVANT. WE SHOULD BE GETTING UNCLE VANYA-- BUT TAKE YOUR TIME AND ENJOY YOURSELF!

LATER THAT EVENING...
...AND SO THAT'S WHAT HAPPENED. SUCH LUCK, WASN'T IT?
NO, YOU DESERVED IT, JAN... BUT YOU ARE LUCKY TO LIVE IN A COUNTRY WHERE YOU CAN GET WHAT YOU EARN!
AND YOUR NEWSPAPER, VANYA, IS IT A SUCCESS?

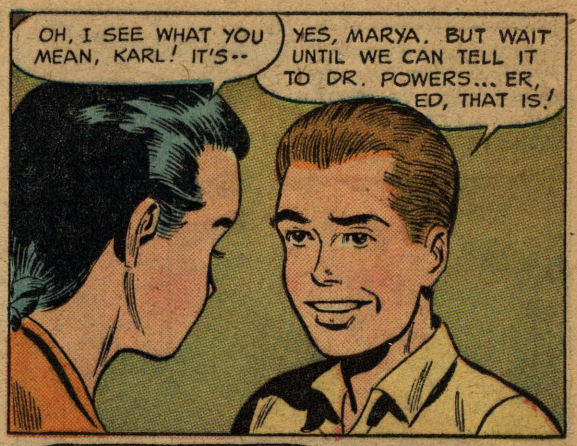

I REMEMBER WHEN YOU STARTED IT WITH ALL YOUR SAVINGS... YOU SAID THAT HERE IN AMERICA, YOU COULD PRINT THE TRUTH.
YES, IT GOES WELL. THERE ARE MANY PEOPLE FROM THE OLD COUNTRY WHO WANT TO READ THE TRUTH IN THEIR OWN LANGUAGE!

BUT IT IS LATE, AND I MUST GO. GOOD LUCK, JAN, IN YOUR NEW JOB. GOOD NIGHT, ANNA... YOU CHILDREN.
GOOD NIGHT, UNCLE.

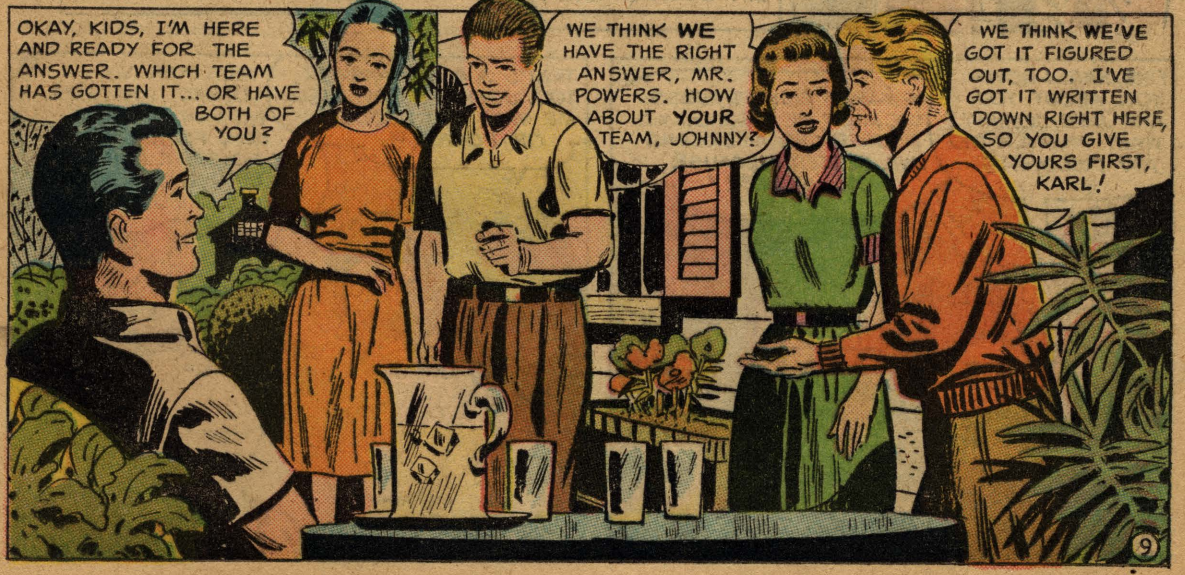
I THINK I KNOW THE ANSWER NOW, MARYA... WHY AMERICA IS SUCH A GOOD PLACE TO LIVE.
BUT HOW HAVE YOU LEARNED, KARL? WHAT HAVE YOU DISCOVERED?

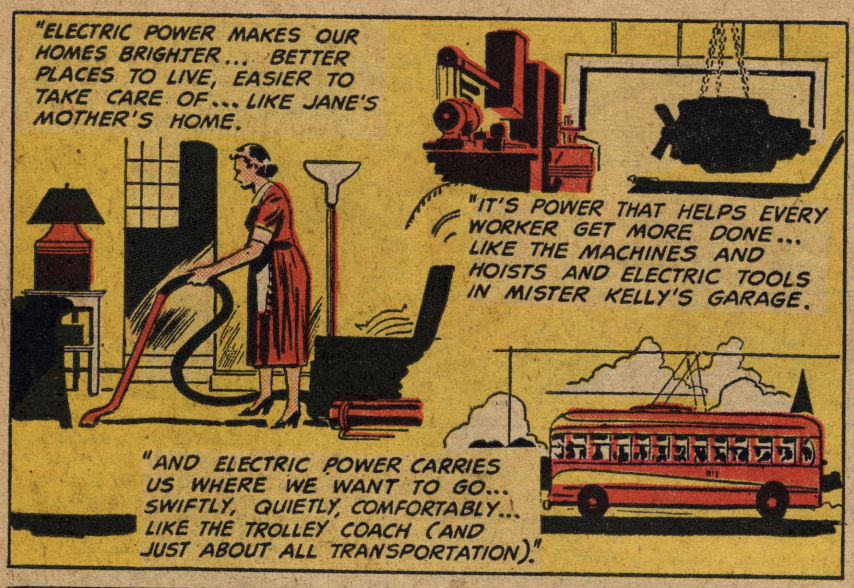
PERHAPS YOU WERE TOO YOUNG TO REMEMBER, MARYA ... BUT IN THE OLD COUNTRY THINGS WERE SO DIFFERENT. I REMEMBER...

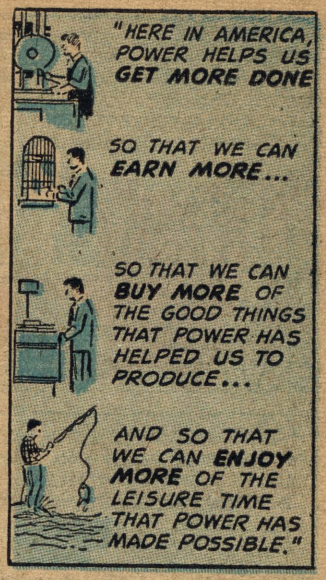
IN THE OLD COUNTRY, PEOPLE CAN DO SO LITTLE. WHATEVER YOU TRY--
IT'S NOT A MATTER OF WHAT YOU DESERVE... IT'S A MATTER OF MEMBERSHIP IN THE PARTY. ANDREI GETS THE PROMOTION.
"-- YOU CANNOT GET AHEAD BY GOOD WORK ALONE..."
"YOU CANNOT PICK AND CHOOSE-- BECAUSE THERE IS ONLY THE GOVERNMENT BRAND..."
"YOU CANNOT GO INTO YOUR OWN BUSINESS --OR SPEAK THE TRUTH IN PUBLIC..."


OH, I SEE WHAT YOU MEAN, KARL! IT'S--
YES, MARYA. BUT WAIT UNTIL WE CAN TELL IT TO DR. POWERS... ER, ED, THAT IS!

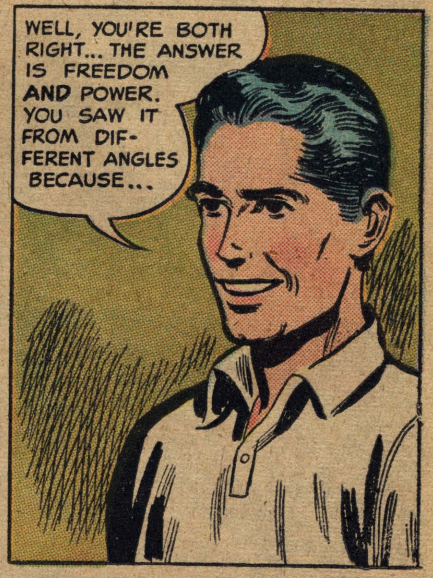
HURRY, MARYA -- WE MUST GET THERE FIRST WITH THE RIGHT ANSWER!
C'MON, JANEY, WE'D BETTER GET A MOVE ON --NOW THAT WE HAVE THE ANSWER!

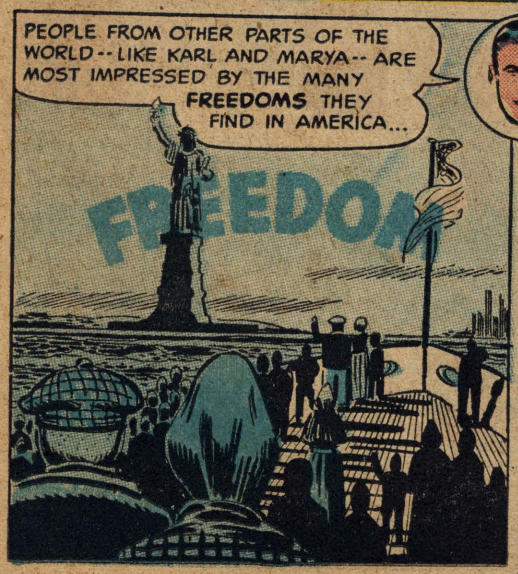

OKAY, KIDS, I'M HERE AND READY FOR THE ANSWER. WHICH TEAM HAS GOTTEN IT... OR HAVE BOTH OF YOU?
WE THINK WE HAVE THE RIGHT ANSWER, MR. POWERS. HOW ABOUT YOUR TEAM, JOHNNY?
WE THINK WE'VE GOT IT FIGURED OUT, TOO. I'VE GOT IT WRITTEN DOWN RIGHT HERE, SO YOU GIVE YOURS FIRST, KARL!

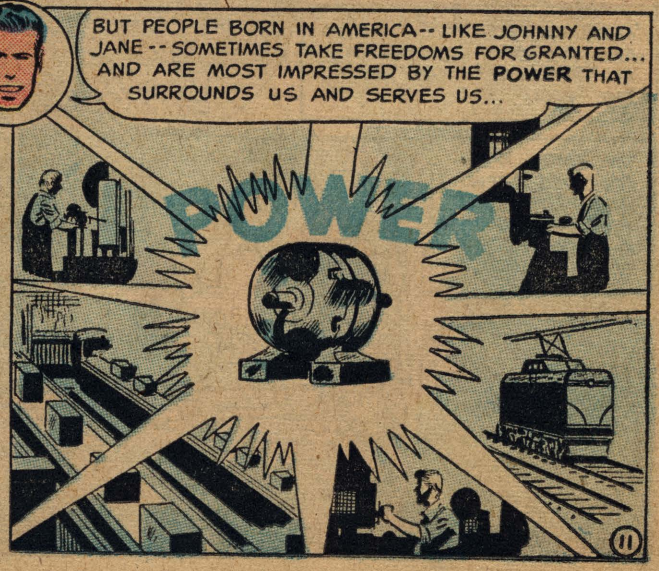

"ELECTRIC POWER MAKES OUR HOMES BRIGHTER... BETTER PLACES TO LIVE, EASIER TO TAKE CARE OF... LIKE JANE'S MOTHER'S HOME.
"IT'S POWER THAT HELPS EVERY WORKER GET MORE DONE... LIKE THE MACHINES AND HOISTS AND ELECTRIC TOOLS IN MISTER KELLY'S GARAGE.
"AND ELECTRIC POWER CARRIES US WHERE WE WANT TO GO... SWIFTLY, QUIETLY, COMFORTABLY... LIKE THE TROLLEY COACH (AND JUST ABOUT ALL TRANSPORTATION)."

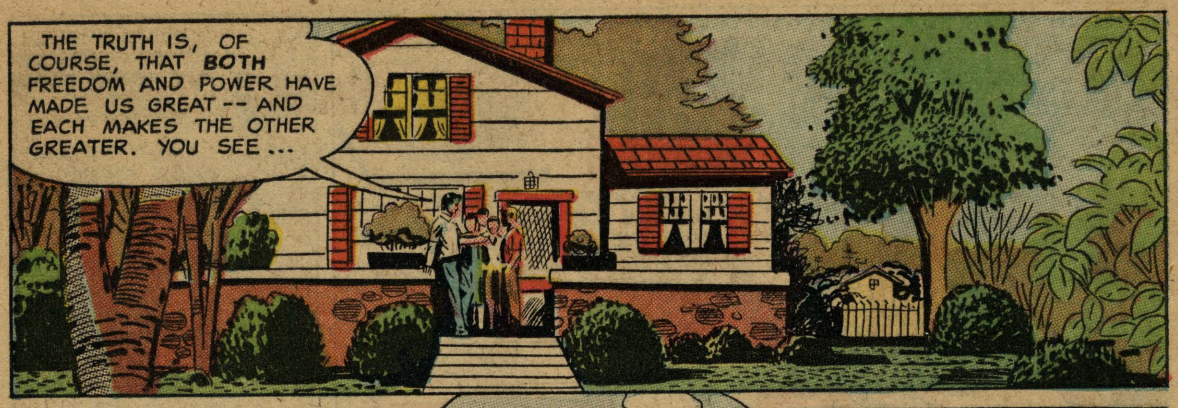

"HERE IN AMERICA, POWER HELPS US GET MORE DONE
SO THAT WE CAN EARN MORE...
SO THAT WE CAN BUY MORE OF THE GOOD THINGS THAT POWER HAS HELPED US TO PRODUCE...
AND SO THAT WE CAN ENJOY MORE OF THE LEISURE TIME THAT POWER HAS MADE POSSIBLE."

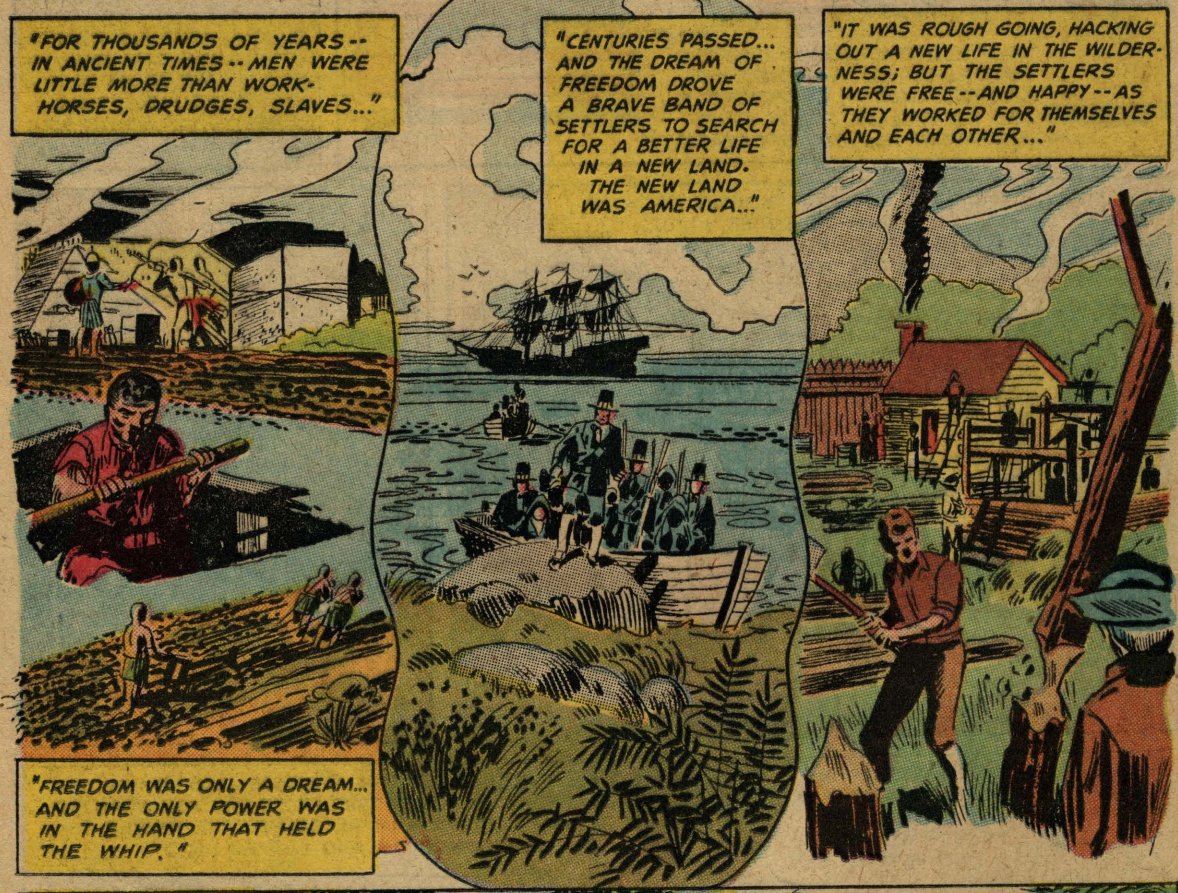
YOU KNOW, I HADN'T THOUGHT OF IT BEFORE, BUT POWER DOES MAKE AMERICA GREATER.
I HADN'T THOUGHT OF YOUR ANSWER EITHER, KARL... BUT FREEDOM SOUNDS RIGHT, TOO! HOW ABOUT IT, ED?

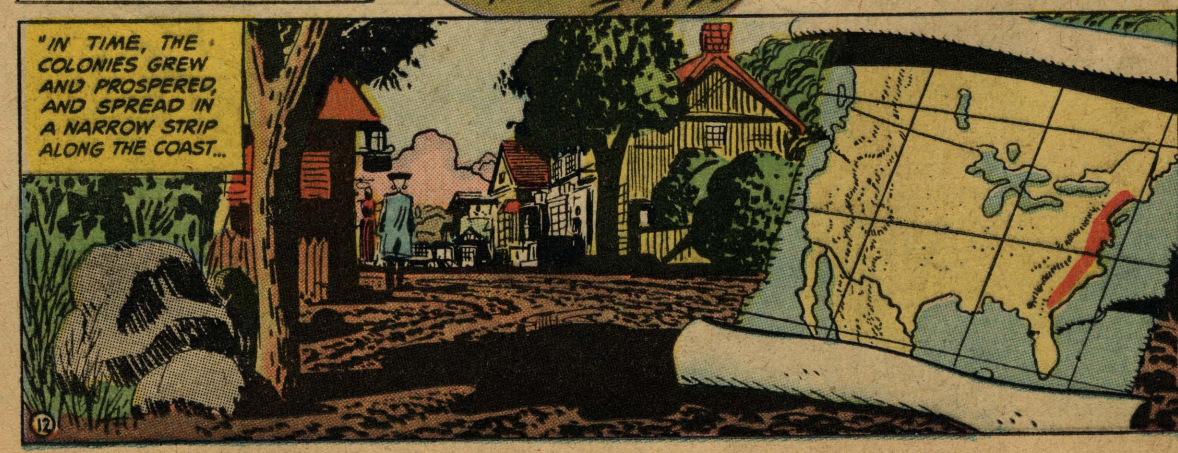

WELL, YOU'RE BOTH RIGHT... THE ANSWER IS FREEDOM AND POWER. YOU SAW IT FROM DIFFERENT ANGLES BECAUSE...


PEOPLE FROM OTHER PARTS OF THE WORLD -- LIKE KARL AND MARYA -- ARE MOST IMPRESSED BY THE MANY FREEDOMS THEY FIND IN AMERICA...
FREEDOM


BUT PEOPLE BORN IN AMERICA -- LIKE JOHNNY AND JANE -- SOMETIMES TAKE FREEDOMS FOR GRANTED... AND ARE MOST IMPRESSED BY THE POWER THAT SURROUNDS US AND SERVES US...
POWER


THE TRUTH IS, OF COURSE, THAT BOTH FREEDOM AND POWER HAVE MADE US GREAT -- AND EACH MAKES THE OTHER GREATER. YOU SEE ...


"FOR THOUSANDS OF YEARS -- IN ANCIENT TIMES -- MEN WERE LITTLE MORE THAN WORK-HORSES, DRUDGES, SLAVES..."
"CENTURIES PASSED... AND THE DREAM OF FREEDOM DROVE A BRAVE BAND OF SETTLERS TO SEARCH FOR A BETTER LIFE IN A NEW LAND. THE NEW LAND WAS AMERICA..."
"IT WAS ROUGH GOING, HACKING OUT A NEW LIFE IN THE WILDERNESS; BUT THE SETTLERS WERE FREE -- AND HAPPY -- AS THEY WORKED FOR THEMSELVES AND EACH OTHER..."
"FREEDOM WAS ONLY A DREAM... AND THE ONLY POWER WAS IN THE HAND THAT HELD THE WHIP."


"IN TIME, THE COLONIES GREW AND PROSPERED, AND SPREAD IN A NARROW STRIP ALONG THE COAST...

"IN THE FREEDOM OF THE NEW WORLD, MEN WERE INSPIRED TO LOOK FOR WAYS TO IMPROVE THEIR LIVES. BEN FRANKLIN, ONE OF OUR FIRST SCIENTISTS, TURNED TO THE SECRETS OF NATURE..."

...and my experiments prove that lightning is electricity of a kind... I call this safety device a "lightning-rod"... Electricity can be made in a "battery" of zinc strips and--

"BUT AS THEY GREW STRONGER AND RICHER, THE OLD WORLD TRIED TO TIGHTEN HER HOLD ON THE GROWING COLONIES..."

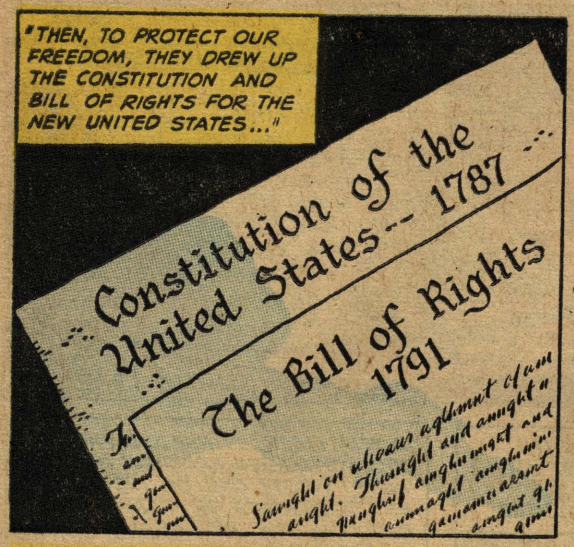
By order of the KING

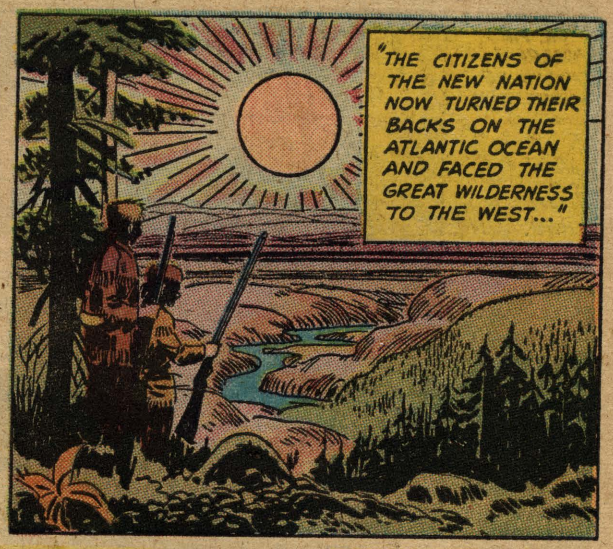
ANOTHER FREEDOM LOST! WE MUST FIGHT!

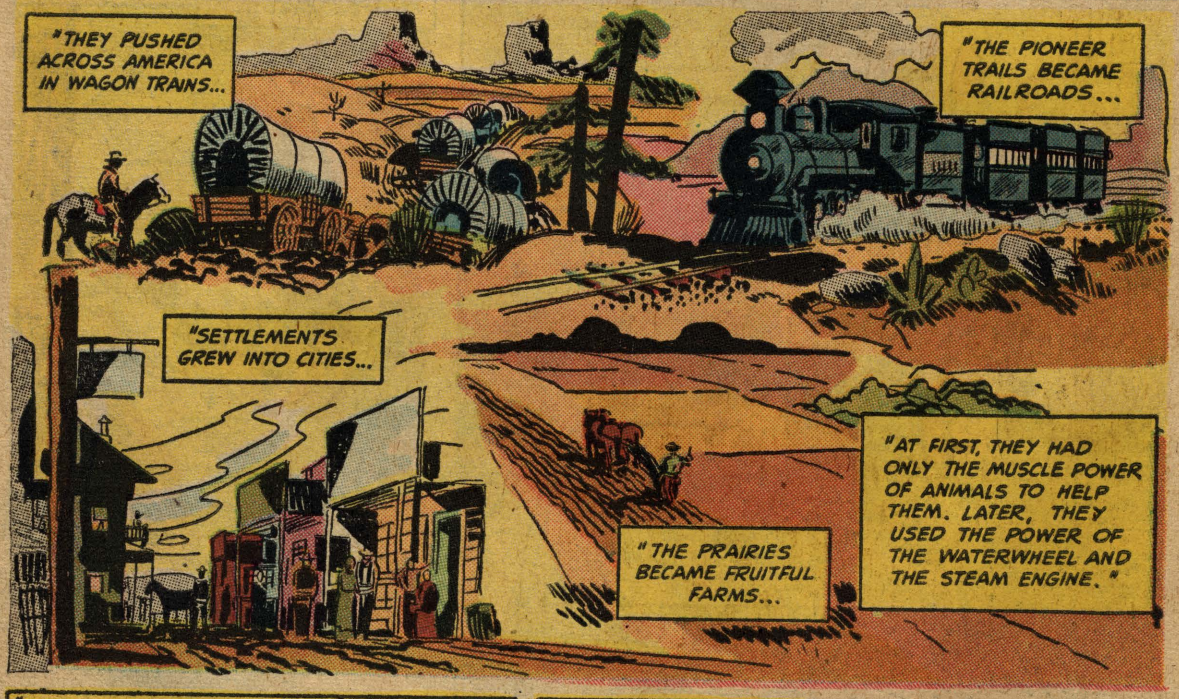
"AND FIGHT THEY DID! IT BEGAN WITH 'THE SHOT HEARD 'ROUND THE WORLD' AT LEXINGTON IN 1775..."

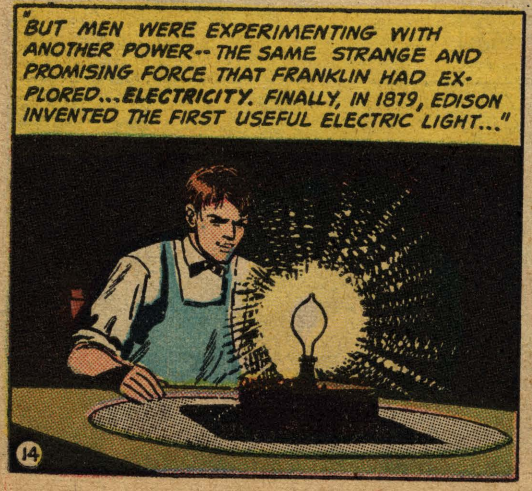
"A YEAR LATER, IN PHILADELPHIA, THE COLONISTS (BEN FRANKLIN AMONG THEM) WROTE ONE OF THE GREATEST DOCUMENTS OF FREEDOM EVER KNOWN -- THE DECLARATION OF INDEPENDENCE..."

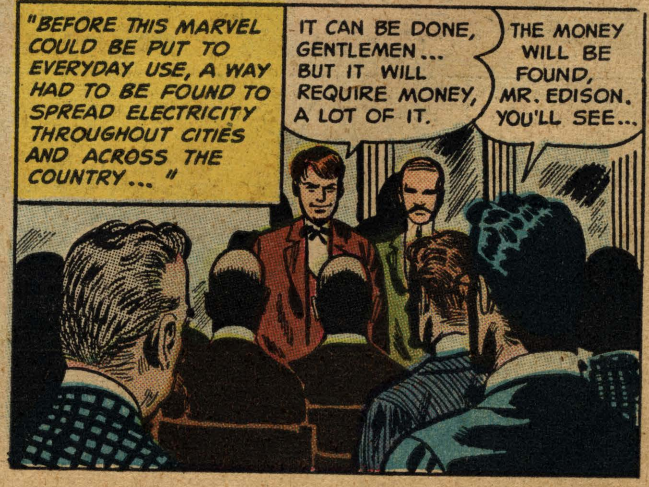
"THIS BID FOR FREEDOM LED TO A BITTER STRUGGLE... BUT FINALLY, IN 1781, LORD CORNWALLIS WAS DEFEATED, AND SURRENDERED AT YORKTOWN. AMERICA WAS FREE!"


"THEN, TO PROTECT OUR FREEDOM, THEY DREW UP THE CONSTITUTION AND BILL OF RIGHTS FOR THE NEW UNITED STATES..."
Constitution of the United States -- 1787
The Bill of Rights 1791


"THE CITIZENS OF THE NEW NATION NOW TURNED THEIR BACKS ON THE ATLANTIC OCEAN AND FACED THE GREAT WILDERNESS TO THE WEST..."

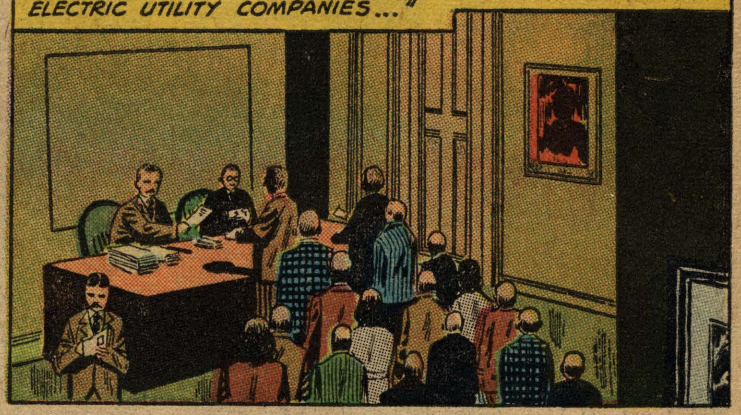

"THEY PUSHED ACROSS AMERICA IN WAGON TRAINS...
"THE PIONEER TRAILS BECAME RAILROADS...
"SETTLEMENTS GREW INTO CITIES...
"THE PRAIRIES BECAME FRUITFUL FARMS...
"AT FIRST, THEY HAD ONLY THE MUSCLE POWER OF ANIMALS TO HELP THEM. LATER, THEY USED THE POWER OF THE WATERWHEEL AND THE STEAM ENGINE."


"BUT MEN WERE EXPERIMENTING WITH ANOTHER POWER -- THE SAME STRANGE AND PROMISING FORCE THAT FRANKLIN HAD EXPLORED...ELECTRICITY. FINALLY, IN 1879, EDISON INVENTED THE FIRST USEFUL ELECTRIC LIGHT..."


"BEFORE THIS MARVEL COULD BE PUT TO EVERYDAY USE, A WAY HAD TO BE FOUND TO SPREAD ELECTRICITY THROUGHOUT CITIES AND ACROSS THE COUNTRY..."
IT CAN BE DONE, GENTLEMEN... BUT IT WILL REQUIRE MONEY, A LOT OF IT.
THE MONEY WILL BE FOUND, MR. EDISON. YOU'LL SEE...

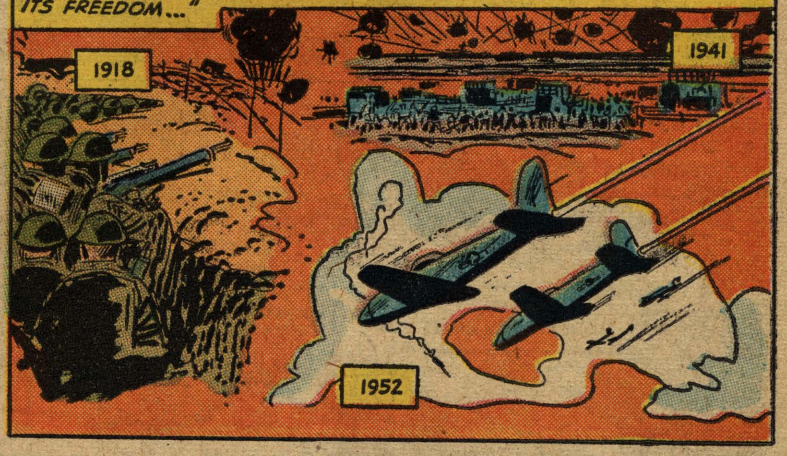
"THE FIRST GENERATING PLANT, AT PEARL STREET IN NEW YORK, WAS FINANCED BY A COMPANY OF STOCKHOLDERS..."

"SOON, THE SAVINGS OF THOUSANDS OF PEOPLE ALL OVER AMERICA WERE PUT TO WORK IN COMPANY AFTER COMPANY--COMPANIES THAT WERE TO BECOME SOME OF **TODAY'S** ELECTRIC UTILITY COMPANIES..."

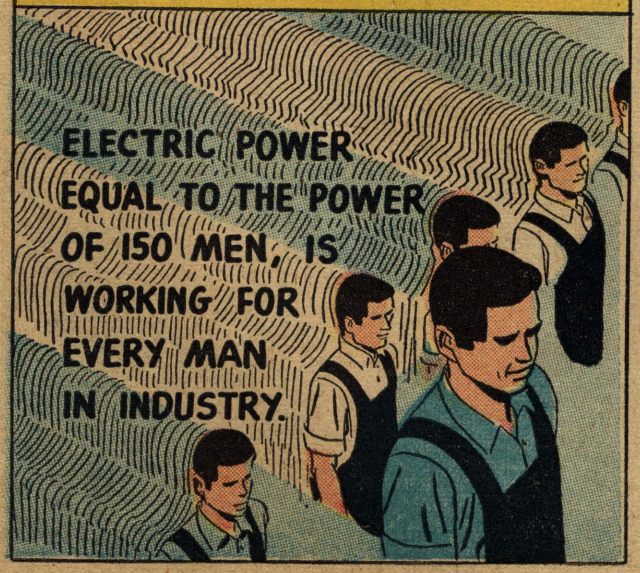


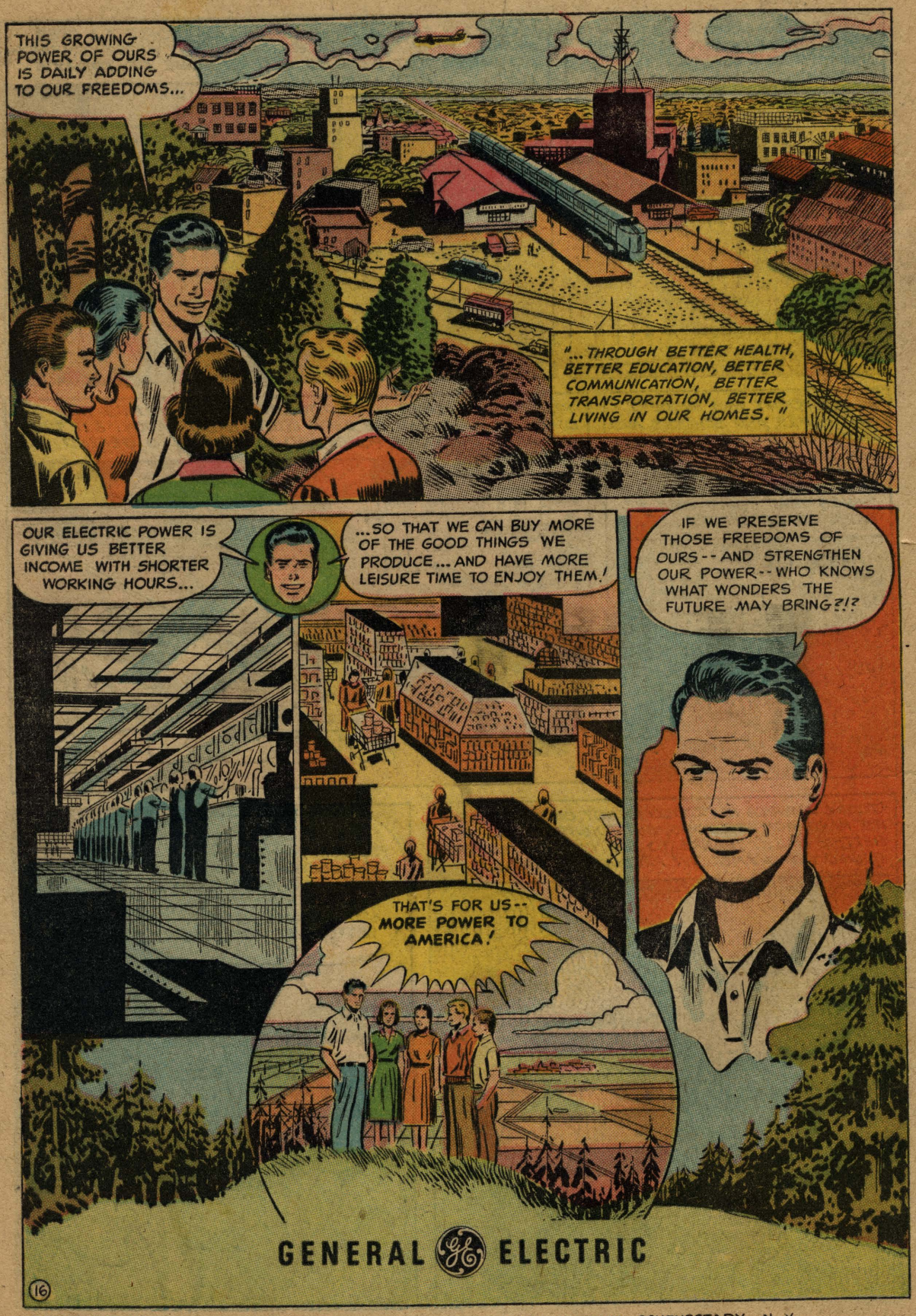
"AS ELECTRICITY WAS BROUGHT INTO HOMES AND SCHOOLS AND FACTORIES, FARMS AND OFFICES, MEN USED THIS NEW POWER TO RUN MOTORS, PROVIDE HEAT... AND TO DO COUNTLESS THINGS THAT COULD ONLY BE DREAMED OF BEFORE..."

"FREEDOM AND POWER WORKED TOGETHER, EACH HELPING THE OTHER TO BUILD, AND WE GREW INTO A GREAT NATION. BUT TIME AND AGAIN, AMERICA'S POWER HAD TO BE USED TO DEFEND ITS FREEDOM..."



"TODAY, AMERICA IS PRODUCING NOT ONLY TO DEFEND ITS HARD-WON FREEDOMS, BUT TO GIVE US ALL A BETTER LIFE... THANKS TO THE 'INVISIBLE HELPERS' BEHIND EVERY AMERICAN PRODUCTION MAN..."





APG-17-11 DEPT. 2-119, PUBLIC RELATIONS, GENERAL ELECTRIC COMPANY, SCHENECTADY, N. Y.